



Products for high
performance applications

Our philosophy

„Tradition, progress, a commitment to high quality and satisfied customers have secured the success of our business for more than 60 years.“

We use our expertise in the area of defined material properties when working together with our customers to create customized solutions for a broad array of applications in the area of thermal and electrical engineering. The core areas of our production include machining, compression molding, lamination, punching, cutting and tube winding. Thanks to our highly qualified and customer-oriented employees, we are able to continuously expand our expertise, secure the consistent high quality of our products and provide optimal support to our customers.

Our quality assurance

Laboratory facilities allow us to optimize our inspections of raw materials and production processes and to thereby ensure the high standards of quality that are necessary to meet the most demanding requirements. This aim is also backed up by the certified quality management system (as per DIN EN ISO 9001) that we have maintained for years. The basis for the quality of our products is formed by our optimal production processes and the know-how and dedication of our employees.





You can rely on us

Our solutions

Standard or customized? Innovative or conventional? These are some of the details we'll work out together with you on the basis of your requirements. Thanks to our comprehensive material competence and our understanding of what is technically feasible, we are in a position to offer you expert advice and to devise solutions that meet your exact needs. In the context of doing so, we place special emphasis on cost-effectiveness and well-targeted and timely implementation.

Our materials



Mica - An insulating material with extraordinary properties

The SEGLIWA product range has included mica for more than 60 years. Mica's outstanding thermal, electrical, mechanical and chemical properties make it one of the most effective insulation materials. Of the various kinds of mica that are used for industrial applications, we carry muscovite and phlogopite.

Owing to its excellent properties and various production forms, mica has become an indispensable material for many industrial applications, especially in the area of electrical engineering.

Mica's outstanding properties:

- Excellent transparency
- Acid and oil resistance
- High compressive and bending strength
- High thermal resistance
- Excellent dielectric strength
- Mechanical cleavability up to 1/100 mm

Applications:

- Window for filling level displays and armatures
- Insulation in electrical monitoring systems
- Thermally conductive pads for transistors
- Insulation in electrical devices from various industrial sectors
- In calcinated form for refractometers
- Mica capacitors

Mica products - Exceptional and environmentally friendly

Applications

Heater micanite

- Heating wire coils
- Insulation of metallic parts in electrically heated industrial equipment, household appliances and high performance resistors
- Intermediate layers, washers and spacers in electrical equipment

Semicavolt tubes and profiles

- Insulation of conductor rods
- Carriers and shields for resistance conductors used for heating purposes
- Insulation of bolts in resistors
- Feeds to slip rings in slip ring assemblies
- Induction heating systems, heating chambers and hot-air devices

Mica foil

- Insulation of coils and interconnections in high and low voltage machines and generator rods
- Production of press molded parts

Formed micanite

- Formed parts
- Filling for the hollow spaces in the coils and rods of high voltage machines

Flexible micanite

- Voltage-proof wrapping in electric machines
- Intermediate layers in the coils of electric machines
- Base layers in generator rods
- High temperature resistant gaskets
- Industrial furnace liners

Mica tapes

- Rubiflex: Insulation of winding heads and switches in high voltage electric machines
- Rubifol: Insulation of profile wire
- Rubitherm: Hot press molding (resin rich technology)
- Pyroflex: Insulation of conductors in flame resistant safety wire





Laminates - A wide range of industrial applications

As an insulating material, laminates have excellent mechanical and electrical properties. The use of special resins with varying amounts of glass allows the production of product qualities with application-related, specific properties for the electrical industry as well as for model making and mechanical engineering.

Laminates are thermosetting sheets made of laminated paper, fabric and mats. They are characterized by extreme durability and excellent mechanical and electrical strength. We supply both semi-finished and finished products manufactured according to customer specifications



Compressed laminated wood - Outstanding properties

Owing to its special material properties, compressed laminated wood is used primarily in the transformer industry and as a means of thermal insulation in machines and electrical systems.

Compressed laminated wood is made of layers of wood veneer that are coated or impregnated with a synthetic resin and then pressed together under high pressure and temperature.

Your advantages:

- Excellent electrical and thermal insulation
- Lightweight
- Excellent oil absorption
- High mechanical strength (especially bending strength)
- Wear-resistant

Mineral reinforced materials - High thermal resistance

In the product group of mineral reinforced materials, our range includes insulating materials that are mainly used for thermal and electrical insulation in the steel, glass and press industries as well as in industrial furnaces, machine and apparatus construction and in household appliance and heating technology. For the production of mineral press materials, various minerals, glass and aramid fibres as well as mica are used today instead of the banned asbestos fibre.

Applications

CALIN Insulation paper

- Gaskets, expansion joints, drain and furnace liners

CALAN Insulating cardboard

- Insulation and sealing in system, machine, furnace and device construction

CALIT Insulating plates

- Material for furnace construction, foundries, glass works and other thermal engineering production facilities

SEWITHERM Insulation plates

- For demanding electrical and mechanical requirements in thermal engineering production facilities

SEWISIL Sealing material

- Sealing and insulation to meet demanding high pressure, electrical and thermal requirements

CANOL Cold adhesive

- Bonding of materials made of calcium silicate, fiber cement and ceramics



SEGLIWA GmbH

Wilhelm-Maybach-Straße 2

D-74219 Möckmühl

Tel: +49 (0) 62 98 / 92 79 29 0

segliwa@segliwa.de

<https://www.segliwa.de/en/>

